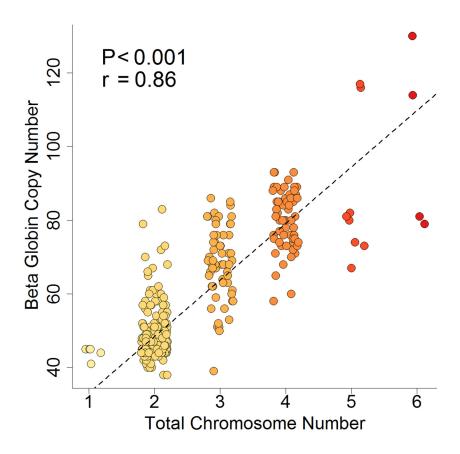
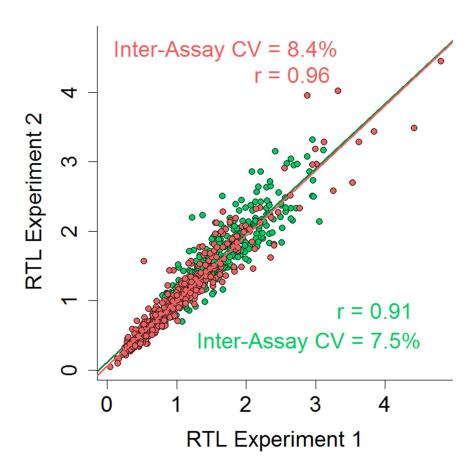
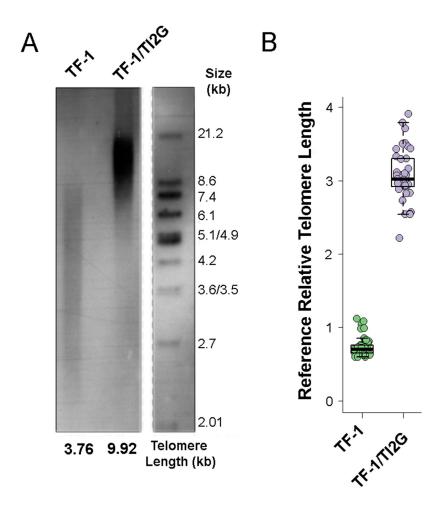
SUPPLEMENTARY DATA



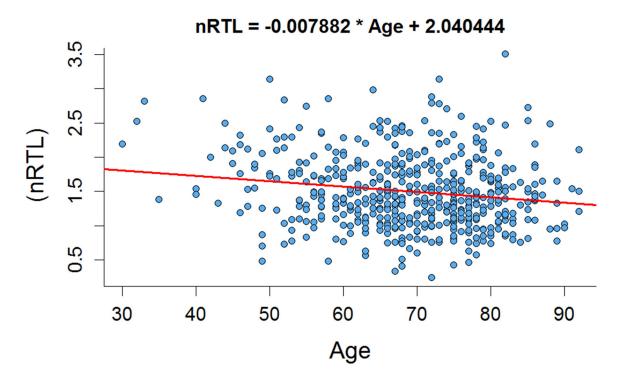
Supplementary Figure S1: Tumor copy number of the human beta globin gene, used as internal control gene in multiplex qPCR assays for relative telomere length, exhibits a high correlation with tumor total chromosome number estimated from SNP array data. Dotted line represents the line of best fit.



Supplementary Figure S2: Concordance and intra-assay coefficients of variability for replicate RTL measurements (separate plates) for normal mucosa (red) and tumor tissue (green) for patients with colorectal adenoma or carcinoma.



Supplementary Figure S3: Telomere length measurements determined by A. Southern blotting (absolute telomere length) and B. multiplex qPCR (relative telomere length) for parental TF-1 cells and TF1 cells transduced with a retroviral vector overexpressing hTERT (TF1/T12G).



Supplementary Figure S4: Normal mucosa RTL (nRTL) from patients with colorectal adenoma or carcinoma according to age. The linear model used to adjust telomere lengths for age is indicated; residuals were used as the adjusted relative telomere lengths as described in Robles-Espinoza *et al* [1].

Supplementary Table S1: Germline variants in telomere biology related genes according to age-adjusted RTL of normal mucosa (nRTL) in patients with CRC. *P<0.05

See Supplementary File 1

Supplementary Table S2: Clinicopathologic characteristics of A. 419 patients with CRC and B. 90 patients with colorectal adenomas

A. CRC patients	n (%)
Age	
Median(Range)	70 (30 to 92)
Gender	
Male	223 (53.2)
Female	196 (46.8)
Site	
Proximal	195 (46.5)
Distal	142 (33.9)
Rectum	82 (19.6)
Stage	
I	71 (16.9)
II	155 (37)
III	151 (36)
IV	42 (10)
Differentiation	
Well/Moderate	321 (78.9)
Poor	86 (21.1)
Adjuvant treatment	
No	230 (60.1)
Yes	153 (39.9)
B. Adenoma patients	n (%)
Age	
Median(Range)	67 (32 to 85)
Gender	
Male	46 (51.1)
Female	44 (48.9)
Site	
Proximal	52 (58.4)
Distal	17 (19.1)
Rectum	20 (22.5)

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